**Study Guide for 6th Grade DA Math Semester Exam**

Absolute Value

Which integer has the greatest/least absolute value

Unite rates

Find the unit rate for 125.5mi/6.2 gal.

Find the median of the data shown in a box-and-whisker plot.

Metric conversion

Bob walked 200 m. How many millimeters did Bob walk?

Add/subtract/multiply/divide

Fractions

mixed numbers

decimals

Integers

Solve 2-step equations (solve for the variable)

2 -  = 5

Prime and composite numbers

Prime:

Composite:

Prime factor 150

Exponential and standard form



Find the coordinates of a point on a graph

Make a scatter plot

Find the reciprocal of a number



Write an equation to model the situation. Identify the variable and solve.

Mia has 23 stickers. Last month she had 45.

Percent

What is 25% of 7?

12 is what percent of 96?

Find the square root. If the square root is not an integer, estimate it to the nearest tenth.

Make a stem-and-leaf plot. (Be sure to include a key and title)

Find the range, median, mean, and mode of the data.